

WHAT IS CLAIMS**10 CLAIMS 1-15 (DELETED)**

CLAIM 16. (currently amended) A [compact] mobile vacuum excavation[, and surface cleaning] method comprising the steps of: providing a vacuum container, said vacuum container having a length and width, and having a vacuum producing means to create a vacuum within said vacuum container, providing a conduit to vacuum liquid or solid particles
15 into said vacuum container, and said vacuum container being rigidly mounted on said mobile vacuum excavator at an inclined slope along said length of said vacuum container and sufficient to allow said solids or liquid to be emptied from said vacuum container by gravity through an access door to said vacuum container when said access door is opened along said width of said vacuum container, and further providing a liquid storage container, and said
20 liquid storage container being mounted below said incline slope of said vacuum container and wherein said liquid storage container comprises an additional step of having said liquid storage container side walls add structural support to said vacuum container, and further comprising the steps of: providing a filter housing means having a length and width, and said length of said filter housing being congruently mounted on an incline slope adjacent to said
25 length of said vacuum container, and said vacuum container adding structural support to said filter housing.

CLAIM 17. (currently amended) A mobile [surface cleaning or] vacuum excavating method
30 comprising the steps of: providing a vacuum container, said vacuum container having a length and width, and said vacuum container having a vacuum producing means to create a vacuum within said vacuum container, providing a conduit to vacuum liquid or solid particles into said vacuum container, and said vacuum container being rigidly mounted on said mobile vacuum excavator at an inclined slope along said length of said vacuum container
35 sufficient to allow said solids and liquid to empty from said vacuum container by gravity through an access door along said width of [to] said vacuum container when said access door is opened, and further providing a liquid storage container, and said liquid storage container being mounted below said incline slope of said vacuum container and wherein said liquid

5 storage container comprises an additional step of having said liquid storage container side
walls add structural support to said vacuum container, and further comprising the steps of:
providing a filter housing means having a length and width to house air filters, said length of
said filter housing being congruently mounted on an incline slope adjacent to said length of
said vacuum container, and said vacuum container adding structural support to said filter
10 housing, and said width of said filter housing being mounted adjacent to said width of said
vacuum container so as to allow a single door access to both said filter housing and said
vacuum container, and said filter housing having a connecting conduit to flow air from said
vacuum container to said filter housing and said filter housing having filters disposed within
it to remove solids from said air.

15 CLAIM 18.(currently amended) [A mobile vacuum method of vacuum excavation, and
surface cleaning] A mobile vacuum excavation method comprising the steps of: providing a
vacuum container having a length and width and, a filter housing, and a liquid storage
container, said vacuum container comprising a vacuum producing means to create a vacuum
20 within said vacuum container, and further comprising a conduit to vacuum solid particles or
liquid into said vacuum container, and said vacuum container being rigidly mounted on said
mobile vacuum excavator at an inclined slope along said length of said container [and]
sufficient to allow said solids and said liquid to be emptied from said vacuum container by
gravity through an access door of said vacuum container when said access door is opened
25 along said width of said vacuum container, and further comprising the step of said liquid
storage container being mounted below said incline slope of said vacuum container and
wherein said liquid storage container comprises an additional step of having said liquid
storage container side walls add structural support to said vacuum container and further
comprising the step of said filter housing being congruently mounted on an incline slope
30 adjacent to said vacuum container, and said vacuum container adding structural support to
said filter housing, and further comprising an articulated boom arm mounted on said mobile
vacuum excavator and said articulated boom arm having one or more arms. [mounted at an
incline slope adjacent to said vacuum tank.]

35 CLAIM 19 (currently amended) A vacuum excavation [, and surface cleaning] method
according to claim 18 [16], wherein said articulated boom arm comprise an additional step of

5 mounting and supporting one or more conduits adjacent to said boom arm, and said conduits
being chosen from a list consisting of a vacuum conduit, a water conduit, a hydraulic conduit,
or an air conduit. [liquid storage container comprises an additional step of having said
storage container side walls add structurally support to said vacuum container.]

CLAIM 20. (currently amended) A mobile vacuum excavation [, and surface cleaning method]
10 means according to claim 16, wherein said [water] liquid storage container [vacuum container
and said water storage container] further comprises the [steps of mounting a vacuum blower,
an air filter, and an engine adjacent to said vacuum container.] step of having a liquid stored
within said liquid storage container, and further comprising the step of a liquid pump means,
a liquid conduit means and a nozzle means being mounted on said mobile vacuum excavation
15 means, and further comprising the step of said liquid being pressurized by said liquid pump,
flowed through said liquid conduit and nozzle means to impinge an earthen material in order
to improve the vacuum ability of said earthen material.

CLAIM 21(currently amended) A vacuum excavation [, and surface cleaning] method
20 according to claim 16, [17 or 18,] wherein said vacuum container and [water] said liquid
storage container comprise an additional step of mounting auxiliary equipment adjacent to
said vacuum container, and [water] said liquid storage container, and said auxiliary
equipment[is] being chosen from a list consisting of one or more of: a vacuum blower
exhaust muffler, a vacuum pump, a power plant, a hydraulic reservoir, a hydraulic pump, a
25 vacuum pump, an air filter, a water pump, a boom arm, a trailer, an engine, a hose reel, a
jetter, a hydraulic connection for hydraulic tools, a hydraulic tool, an air compressor, a
generator, a process controller, a surface cleaning tool, a jack hammer, a concrete saw, a
solids liquid separator, a water filter, a water heater, a water purifier, a water sterilizer, a
vibrating screen, a liquid recycling system, a hydrocarbon absorption system, a solids
30 dispensing system, an air conveyor, a screw conveyor, a cyclone, a liquid dispensing system,
a vibrator, an excavation bucket, a torque wrench, a hydro-cyclone, a noise muffler, a goose
neck trailer coupler, a skid steer, a zero turn radius vehicle, a rail road car, a fork lift, a truck,
a back hoe, a track loader, a barge, a powered linear actuator or telescoping cylinder to open
or close an access door to said vacuum container, a skid mounting base, and a fuel reservoir.

5 CLAIM 22. (withdrawn)

CLAIM 23.(currently amended) A vacuum excavation [, and surface cleaning] method according to claim 17 [16 or 18] wherein said vacuum container access door is opened and closed by a telescoping means disposed within said vacuum container, and said telescoping means being chosen from one or more devices selected from a group consisting of: a
10 hydraulic cylinder, an air cylinder and a linear actuator.

CLAIM 24.(currently amended) A vacuum excavation [, and surface cleaning] method according to claim16 [, 17 or18,] wherein said vacuum container comprises an additional step of providing a vibrating screen disposed within said vacuum container to separate liquids from solids.

15 CLAIM 25.(currently amended) A vacuum excavation [, and surface cleaning] method according to claim 16 [, 17 or 18,] wherein said vacuum container comprises an additional step of providing a means to dispense a liquid from said vacuum container without eliminating the vacuum environment within said vacuum container, and said dispensing means being chose from a group consisting of a pump, a grinder, and a progressive cavity
20 screw.

CLAIM 26.(withdrawn)

CLAIM 27.(withdrawn)

CLAIM 28. (withdrawn)

25 CLAIM 29. (currently amended) A vacuum excavation [, and surface cleaning] method according to claim[16,] 17 or 18, wherein said vacuum container, and [water] said liquid storage container or filter housing comprise an additional step of mounting an articulated boom arm adjacent to said vacuum container, [and water] liquid storage container or filter housing, and said articulated boom arm having one or more boom arms, and one or more
30 elbows and said articulated boom arm comprises an additional step of having auxiliary equipment mounted adjacent to said boom arm and said auxiliary equipment being chosen from a group consisting of: a linear actuator, a hydraulic cylinder, a remotely controlled operating system, a control system, a control system monitor, a jetter, a sand blaster, a telescoping boom arm, a telescoping vacuum conduit, a powered rotating knuckle, a sand

5 blasting tool, a vibrator, a concrete saw, a jack hammer, a vacuum hose with vacuum hose
end attachments, a water pressure hose with spray nozzle attachments, an air hose with air
tool attachments, an electric cord with attachments for electric power tools, hydraulic hoses
with hydraulic tool attachments, an excavation bucket, a surface cleaner, a grinder, a pump, a
torque wrench, a sensor to detect buried utilities, and a man hole cover removal tool.

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CLAIM 30. (withdrawn)

CLAIM 31.(withdrawn)

CLAIM 32.(withdrawn)

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CLAIM 33.(currently amended) A vacuum excavation [, and surface cleaning] method

according to claim 16 & 18 wherein said vacuum container comprises an additional step of
providing a vibrating screen disposed within said vacuum container to separate liquid from

solids and said vacuum container further comprises an additional step of providing a means

20 to dispense a liquid from said vacuum container without eliminating the vacuum environment
within said vacuum container, and said dispensing means being chose from a group

consisting of a pump, a grinder, and a progressive cavity screw and further comprising a
means to recycle said liquid to a surface cleaning means having one or more devices selected

from the group consisting of: a liquid pressure spray nozzle, a means to direct said [nozzle]

25 liquid to impinge said surface to be cleaned with said liquid, a housing to contain said liquid

spray, a vacuum conduit attachment to said housing, a vacuum conduit to vacuum said

sprayed liquid from said surface, and said vacuum conduit to convey said surface cleaning
liquid to said vacuum container.

30 CLAIM 34.(withdrawn)

CLAIM 35.(withdrawn)

CLAIM 36 (withdrawn)

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